

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A vehicle power supply system comprising:

a battery;

an inverter unit for converting DC electric power of the battery into AC electric power and supplying it to a rotating electric machine to drive it;

an AC wiring line for connecting the rotating electric machine and the inverter unit; and

a DC wiring line for connecting the inverter unit and the battery,

wherein the inverter unit is placed in a vicinity of the battery so that the DC wiring line becomes shorter than the AC wiring line;

wherein an electric connection body for electrically connecting the battery and the inverter unit is a metal plate; and

wherein the metal plate directly connects the battery and the inverter.
2. (withdrawn): A vehicle power supply system comprising:

a battery;

an inverter unit for converting DC electric power of the battery into AC electric power and supplying it to a rotating electric machine to drive it;

an AC wiring line for connecting the rotating electric machine and the inverter unit; and

a DC wiring line for connecting the inverter unit and the battery,

wherein the inverter unit is placed in a vicinity of the battery by fixing the inverter unit to an attachment member for mounting the battery to a vehicle main body.

3. (original): A vehicle power supply system according to claim 1, wherein the inverter unit is integrally fixed to an upper end face of the battery.

4. (withdrawn): A vehicle power supply system according to claim 2, wherein the inverter unit is integrally fixed to an upper end face of the battery.

5. (original): A vehicle power supply system according to claim 1, wherein the inverter unit is integrally fixed to a side of the battery.

6. (withdrawn): A vehicle power supply system according to claim 2, wherein the inverter unit is integrally fixed to a side of the battery.

7. (withdrawn): A vehicle power supply system according to claim 2, wherein the inverter unit is fixed to a housing for holding the battery.

8. (withdrawn): A vehicle power supply system according to claim 2, wherein a housing of the inverter unit has also a function of a housing for holding the battery.

9. (canceled).

10. (withdrawn): A vehicle power supply system according to claim 2, wherein an electric connection body for electrically connecting the battery and the inverter unit is a metal plate.

11. (previously presented): A vehicle power supply system according to claim 1, wherein the inverter unit is held and fixed to the battery by the electric connection body for electrically connecting the battery and the inverter unit.

12. (withdrawn): A vehicle power supply system according to claim 10, wherein the inverter unit is held and fixed to the battery by the electric connection body for electrically connecting the battery and the inverter unit.

13. (withdrawn): A vehicle power supply system according to claim 2, wherein a housing for holding the battery is provided with a cooling function member.

14. (withdrawn): A vehicle power supply system according to claim 13, wherein a cooling medium for cooling the battery is identical to a cooling medium for cooling the inverter unit.

15. (previously presented): The vehicle power supply system according to claim 1, further comprising a battery tray, wherein said battery is positioned in said battery tray, and wherein said metal plate is fixed to the battery tray.

16. (previously presented): The vehicle power supply system according to claim 1, further comprising an attachment plate which is fixed integrally with the inverter unit, and wherein a battery fixing plate is integrally welded or caulked to the attachment plate.

17. (previously presented): The vehicle power supply system according to claim 1, further comprising a liquid cooling device mounted on a lower side of the inverter unit supplying cooling liquid which cools the inverter unit.

18. (new): The vehicle power supply system according to claim 1, wherein the metal plate is not planar.